

# MATERIAL SAFETY DATA SHEET

## • Section 1 – PRODUCT IDENTIFICATION

MANUFACTURER'S NAME DEARBORN CHEMICAL CO., Subsidiary, W. R. Grace & Co.		EMERGENCY PHONE NO. 312/438-8241
ADDRESS 300 Genesee St., Lake Zurich, IL 60047		
CHEMICAL NAME AND SYNONYMS Cooling Water Treatment		TRADE NAME OR CODE IDENT. POLYMATE 900

## • Section 2 – INGREDIENTS

CAS No.	%	EXPOSURE CRITERIA
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Potassium hydroxide	1310-58-3	approx. 12.0%
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NFPA: 2-0-0

## • Section 3 – PHYSICAL DATA

BOILING POINT, 760mm Hg	approx.	212° F.	MELTING POINT	N/A
SPECIFIC GRAVITY (H <sub>2</sub> O = 1)		1.2	VAPOR PRESSURE @ 25°C approx	16 mm Hg
VAPOR DENSITY (AIR = 1)		N/K	SOLUBILITY IN H <sub>2</sub> O, % BY WT.	complete
% VOLATILES BY VOLUME		N/K	EVAPORATION RATE, _____ = 1	N/K
APPEARANCE AND ODOR	Amber liquid		pH	12.9

## • Section 4 – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (and Method Used) None	FLAMMABLE LIMITS in AIR, % by VOLUME LOWER N/A UPPER N/A	AUTO IGNITION TEMPERATURE N/A
EXTINGUISHING MEDIA    No fire hazard <input type="checkbox"/> Water Fog <input type="checkbox"/> Foam <input type="checkbox"/> CO <sub>2</sub> <input type="checkbox"/> Dry Chemical <input type="checkbox"/> Other		

## SPECIAL FIRE FIGHTING PROCEDURES

None

## UNUSUAL FIRE AND EXPLOSION HAZARD

None

## • Section 5 – REACTIVITY DATA

STABILITY (Normal Conditions) <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	CONDITIONS TO AVOID N/A
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## INCOMPATIBILITY (Materials to Avoid)

Will react with strong acids.

## HAZARDOUS DECOMPOSITION PRODUCTS

Carbon dioxide, nitrogen oxide and phosphoric oxide

HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	CONDITIONS TO AVOID N/A
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# MATERIAL SAFETY DATA SHEET (Continued)

## • Section 6 -- HEALTH HAZARD INFORMATION

### EXPOSURE LIMIT

Not established

### EFFECTS OF OVEREXPOSURE

#### INHALATION

Not expected

#### INGESTION

Harmful if swallowed. If ingested, do NOT induce vomiting. Use fruit juices and water to dilute. Contact physician.

#### SKIN OR EYE CONTACT

May irritate skin. Will irritate eyes on direct contact.

If eyes are affected, flush thoroughly with water and get prompt medical attention. In case of skin contact, flush thoroughly with water.

### EMERGENCY AND FIRST AID PROCEDURES

See above

## • Section 7 -- SPECIAL PROTECTION INFORMATION

### VENTILATION REQUIREMENTS

Mechanical is adequate

### RESPIRATORY PROTECTION (Specify Type)

None

### EYE PROTECTION

Goggles or face shield

### GLOVES (Specify Type)

Rubber gloves

### OTHER PROTECTIVE CLOTHING AND EQUIPMENT (Specify Type)

None

## • Section 8 -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED Collect using absorbent, place in container for proper disposal. Flush area of spill with water.

WASTE DISPOSAL METHOD Dispose using authorized scavenger service by incineration or use of designated landfill. For additional disposal instructions, contact your state water pollution control agency. This product IS an EPA Haz. Waste (Cor-I

## • Section 9 -- SPECIAL PRECAUTIONS

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Normal storage precautions. Keep containers closed when not in use. Keep from freezing. Freezes at 2° F. No fire hazards. Do NOT use in potable water systems.

### OTHER PRECAUTIONS

If material is subject to open flame or abnormally high temperature, the following products might be formed: carbon dioxide, nitrogen oxide and phosphoric oxide.

Shipping Name: DOT Alkaline Corrosive Liquid n.o.s. Corrosive NA1719

IATA

Prepared By W. M. Morris

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